

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A remote control apparatus that wirelessly communicates with a program selecting apparatus which stores therein pieces of reception information each of which is required for reception of a corresponding one of a plurality of programs, displays a program table, and in response to a signal transmitted from the said remote control apparatus, either selects one of the plurality of programs or transmits one of the pieces of reception information that corresponds to a selected one of the programs, the said remote control apparatus comprising:

a recording medium;

a transmitting unit for performing directional transmission;

an operation receiving unit, having an operational button, operable to receive for receiving a user operation from a user that regards a detection of the user pushing the operational button as a first user operation having been received and regards a detection of the operational button becoming released after the detection of the user pushing the operational button as a second user operation having been received;

a selecting unit operable to transmit for transmitting a selective signal for selecting one of the programs according to the first user operation to from the program selecting apparatus via said transmitting unit;

a requesting unit operable to, when a first user operation has been received, transmit, for transmitting to the program selecting apparatus via said transmitting unit, a signal for requesting a piece of reception information that corresponds to the selected program, when the first user operation has been received;

a reception information receiving unit operable to receive and record for receiving and recording, onto the said recording medium, the piece of reception information transmitted from the program selecting apparatus; and

a forwarding unit operable to transmit for transmitting via said transmitting unit, after a second user operation has been received, the piece of reception information recorded on the said recording medium after the second user operation has been received.

2. (Cancelled)

3. (Currently Amended) The remote control apparatus of Claim 21, wherein
~~the-said~~ transmitting unit performs each of the transmissions by transmitting an infrared ray.

4. (Currently Amended) The remote control apparatus of Claim 21, wherein
~~the-said~~ forwarding unit transmits the piece of reception information recorded on ~~the-said~~ recording medium to a program recording apparatus that is ~~operable to, when having received a piece of reception information, receive and record~~ for receiving and recording a program that corresponds to the piece of reception information, upon receiving a piece of reception information;

~~the-said~~ remote control apparatus further comprises
a signal format storing unit that pre-stores therein signal format information which indicates, in correspondence with pieces of identification information for identifying a plurality of types of program recording apparatuses, a plurality of remote control signal formats which are to be used for a purpose of presetting recording of each program and which the plurality of types of program recording apparatuses are capable of receiving respectively, and

~~the-said~~ forwarding unit ~~includes~~comprises:
an identification information obtaining unit ~~operable to, when the second user operation has been received, transmit~~,for transmitting via ~~the-said~~ transmitting unit, to the program recording apparatus to which the piece of reception information is to be transmitted, a signal for requesting a piece of identification information that identifies a type of the program recording apparatus, and to subsequently receive the piece of identification information from the program recording apparatus, when the second user operation has been received;

a signal format specifying unit ~~operable to specify~~for specifying a remote control signal format that corresponds to the type of program recording apparatus identified with the received piece of identification information, based on the signal format information; and

an organizing unit ~~operable to organize~~for organizing the piece of reception information so as to be in the specified remote control signal format and transmit the organized piece of reception information to the program recording apparatus.

5. (Currently Amended) The remote control apparatus of Claim 4, wherein:
the program selecting apparatus receives and stores therein, for each of ~~programs~~program

scheduled to be broadcasted**broadcast**, a piece of reception information broadcasted and a piece of program related information broadcasted and made up of items related to the program, and transmits a piece of program related information that corresponds to the selected program in addition to the piece of reception information;:

~~the said~~ remote control apparatus further includes comprises a utilized item information storing unit that stores therein utilized item information which indicates, in correspondence with the pieces of identification information, one or more at least one of the items which are within the pieces of program related information and can be utilized by each of the types of program recording apparatuses;:

~~the said~~ forwarding unit includes comprises a utilized item specifying unit operable to specify one or more for specifying at least one of the items within the pieces of program related information which can be utilized by the type of program recording apparatus identified with the received piece of identification information, based on the utilized item information; and

~~the said~~ organizing unit extracts the one or more at least one specified items out of pieces of program related information recorded on ~~the said~~ recording medium, organizes the extracted items and the piece of reception information so as to be in the specified remote control signal format, and transmits the organized items and piece of reception information to the program recording apparatus.

6. (Cancelled)

7. (Currently Amended) The remote control apparatus of Claim 61, wherein ~~the said~~ remote control apparatus further includes comprises an informing unit operable to, when the piece of reception information is recorded onto the recording medium by the reception information receiving unit, inform for informing the user that the piece of reception information has been recorded when the piece of reception information is recorded onto said recording medium by said reception information receiving unit.

8. (Currently Amended) The remote control apparatus of Claim 21, wherein:

every time the first user operation has been received, ~~the said~~ requesting unit transmits, to the program selecting apparatus, the signal for requesting a piece of reception information that corresponds to a selected program;:

~~the said~~ reception information receiving unit receives and records, onto ~~the said~~ recording medium, pieces of reception information that correspond to selected programs respectively, and have been transmitted from the program selecting apparatus; and

every time the second user operation has been received, ~~the said~~ forwarding unit transmits one of the pieces of reception information recorded on ~~the said~~ recording medium.

9. (Currently Amended) The remote control apparatus of Claim 8, wherein

~~the said~~ remote control apparatus further ~~includes~~comprises a recorded information displaying unit ~~operable to display part or all for displaying at least part~~ of each of the pieces of reception information recorded on ~~the said~~ recording medium in such a manner to be grouped in units of programs and arranged in a predetermined order, and

every time the second user operation has been received, ~~the said~~ forwarding unit selects and transmits one of the pieces of reception information, according to the predetermined order.

10. (Currently Amended) The remote control apparatus of Claim 8, wherein ~~the said~~ remote control apparatus further ~~includes~~comprises:

~~an option displaying unit operable to display part or all for displaying at least part~~ of each of the pieces of reception information recorded on ~~the said~~ recording medium as options for selecting ~~one or more~~at least one of the programs; and

~~a selection receiving unit operable to receive for receiving~~ a selection of one of the options by the user, and wherein

~~the said~~ forwarding unit transmits one of the pieces of reception information that corresponds to the selection that has been received by ~~the said~~ selection receiving unit most recently when the second user operation has been received.

11. (Currently Amended) A program receiving system that includes a program selecting apparatus, a remote control apparatus, and a plurality of receiving apparatuses, wherein

~~the said~~ program selecting apparatus ~~includes~~comprises:

~~a reception storing unit operable to receive and store for receiving and storing~~ therein pieces of reception information each of which is ~~broadcasted~~broadcast and is required for reception of a corresponding one of a plurality of programs;

a program table displaying unit ~~operable to display~~for displaying a program table based on the received pieces of reception information;

a program selecting unit ~~operable to, when having received from the remote control apparatus, a selective signal for selecting one of the programs, select~~for selecting the one of the programs from the program table according to the ~~a selective signal received from said remote control apparatus that is for selecting the one of the programs~~; and

a reception information transmitting unit ~~operable to, when having received a request signal for requesting a piece of reception information from the remote control apparatus, transmit~~for transmitting a piece of reception information that corresponds to the selected program to the ~~said~~ remote control apparatus, ~~upon receiving a request signal for requesting the piece of reception information from said remote control apparatus,~~

~~the said~~ remote control apparatus ~~includes~~comprises:

~~a recoding medium;~~

a transmitting unit for performing directional transmission;

~~an operation receiving unit, having an operational button, operable to receive for receiving a user operation from a user that regards a detection of the user pushing the operational button as a first user operation having been received and regards a detection of the operational button becoming released after the detection of the user pushing the operational button as a second user operation having been received;~~

~~a selecting unit operable to for wirelessly transmitting, to the said program selecting apparatus, the selective signal for selecting the program one of the programs according to the first user operation via said transmitting unit;~~

~~a requesting unit operable to, when a first user operation has been received, for wirelessly transmitting, to the said program selecting apparatus via said transmitting unit, the request signal for requesting the piece of reception information that corresponds to the selected program when the first user operation has been received;~~

~~a reception information receiving unit operable to receive and record for receiving and recording, onto the said recording medium, the piece of reception information transmitted from the said program selecting apparatus; and~~

~~a forwarding unit operable to for wirelessly transmitting via said transmitting unit, after a the second user operation has been received, wirelessly transmit to one of the said~~

receiving apparatuses, the piece of reception information recorded on the said recording medium, and each of the said receiving apparatuses includes a program receiving unit operable to, when having received the piece of reception information from the remote control apparatus, receive for receiving a program that based on the piece of reception information upon receiving the piece of reception information from said remote control apparatus.

12. (Cancelled)

13. (Currently Amended) The program receiving system of Claim 1211, wherein:

the said reception storing unit receives and stores therein, for each of programs scheduled to be broadcastedbroadcast, a piece of reception information and a piece of program related information being made up of items related to the program; and

the said reception information transmitting unit transmits a piece of program related information that corresponds to the selected program in addition to the piece of reception information; and

each of the said receiving apparatuses further includescomprises:

a program recording unit operable to record for recording the program received by the said program receiving unit;

an identification information storing unit that pre-stores therein a piece of identification information that shows a type of the said receiving apparatus; and

an identification information transmitting unit operable to, when having received from the remote control apparatus a signal for requesting a piece of identification information, transmit for transmitting the piece of identification information pre-stored in the identification information storing unit to the remote control apparatus, when having received from the remote control apparatus a signal for requesting a piece of identification information

the said remote control apparatus further includescomprises

a type information storing unit that stores therein, (i) signal format information which indicates, in correspondence with pieces of identification information for identifying a plurality of types of receiving apparatuses, a plurality of remote control signal formats which are to be used for a purpose of presetting recording of each program and which the plurality of types of receiving apparatuses are capable of receiving respectively, and (ii) utilized item information which

indicates, in correspondence with the pieces of identification information, one or more of the items which are within the pieces of program related information and ~~can be~~ utilized by each of the types of receiving apparatus, and

~~the said~~ forwarding unit ~~includes~~comprises:

an identification information obtaining unit ~~operable to, when the second user operation has been received, transmit, for transmitting~~ via ~~the said~~ transmitting unit, to ~~the said~~ receiving apparatus to which the piece of reception information is to be transmitted, a signal for requesting the piece of identification information that identifies a type of ~~the said~~ receiving apparatus, and to subsequently receive the piece of identification information from ~~the said~~ receiving apparatus when the second user operation has been received;

a signal format specifying unit ~~operable to specify for specifying~~ a remote control signal format that corresponds to the type of receiving apparatus identified with the received piece of identification information, based on the signal format information;

a utilized item specifying unit ~~operable to specify one or more for specifying at least one~~ of the items within the pieces of program related information which ~~can be~~is utilized by the type of receiving apparatus identified with the received piece of identification information, based on the utilized item information; and

an organizing unit ~~operable to extract the one or more for extracting the at least one of the specified items out of the pieces of program related information recorded on the said recording medium, organize the extracted items and the piece of reception information so as to be in the specified remote control signal format, and transmit the organized items and piece of reception information to the said receiving apparatus.~~

14. (Currently Amended) An information forwarding method used by a remote control apparatus ~~operable to for wirelessly communicate communicating~~ with a program selecting apparatus that stores therein pieces of reception information each of which is required for reception of a corresponding one of a plurality of programs, displays a program table, and in response to a signal transmitted from the remote control apparatus, either selects one of the plurality of programs or transmits one of the pieces of reception information corresponding to a selected one of the programs, ~~the said~~ information forwarding method comprising:

~~an operation receiving step of receiving a user operation from a user, and regarding a~~

detection of the user pushing an operational button as a first user operation having been received and regarding a detection of the operational button becoming released after the detection of the user pushing the operational button as a second user operation having been received;

a selecting step of transmitting a selective signal for selecting one of the programs according to the first user operation to the program selecting apparatus via a transmitting unit that is for performing directional transmission;

a requesting step of, when a first user operation has been received, transmitting, to the program selecting apparatus via the transmitting unit, a signal for requesting a piece of reception information that corresponds to the selected program when the first user operation has been received;

a reception information receiving step of receiving the piece of reception information transmitted from the program selecting apparatus; and

a forwarding step of transmitting via the transmitting unit, after a second user operation has been received, the received piece of reception information after the second user operation has been received.

15. (Currently Amended) A program stored on a computer-readable recording medium for causing for making a program selecting apparatus and a remote control apparatus perform to execute at least an information forwarding processing process, the program selecting apparatus being operable to (i) store for storing therein pieces of reception information each of which is required for reception of a corresponding one of a plurality of programs, (ii) display for displaying a program table, and (iii) in response to a signal transmitted from the remote control apparatus, for either select selecting one of the plurality of programs or transmit transmitting one of the pieces of reception information corresponding to a selected one of the programs, and the remote control apparatus being operable to for wirelessly communicate communicating with the program selecting apparatus and including a recording medium and a CPU, wherein the information forwarding processing process includes comprises:

an operation receiving step of receiving a user operation from a user, and regarding a detection of the user pushing an operational button as a first user operation having been received and regarding a detection of the operational button becoming released after the detection of the user pushing the operational button as a second user operation having been received;

a selecting step of transmitting a selective signal for selecting one of the plurality

of programs according to the first user operation to the program selecting apparatus via a transmitting unit that is for performing directional transmission;

~~a requesting step of, when a first user operation has been received, transmitting, to the program selecting apparatus via the transmitting unit, a signal for requesting a piece of reception information that corresponds to the selected program when the first user operation has been received;~~

~~a reception information receiving step of receiving and recording, onto the recording medium, the piece of reception information transmitted from the program selecting apparatus; and~~

~~a forwarding step of transmitting via the transmitting unit, after a second user operation has been received, the piece of reception information recorded on the recording medium after the second user operation has been received.~~